

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L17 | 1 | (propane same "natural gas") same appliance and "glow plug" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/27 12:29 |
| L16 | 0 | (propane same "natural gas") same appliance and "glow plu" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/27 12:29 |
| L15 | 194 | (propane same "natural gas") same appliance | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/27 12:28 |
| L14 | 5 | ((("5233166") or ("5206484") or ("4762982") or ("4418661") or ("3589846")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/27 12:28 |
| L13 | 4 | ((("5233166") or ("5206484") or ("4762982") or ("4418661")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/27 11:37 |
| L12 | 3 | ((("5233166") or ("5206484") or ("4762982")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/10/27 10:07 |
| L11 | 12 | ((("glow plug") same preheat\$3) same (rapid\$3 fast quick\$4 instantaneous) and sinter\$4 | USPAT | OR | ON | 2007/10/27 10:06 |
| L10 | 62 | ((("glow plug") same preheat\$3) same (rapid\$3 fast quick\$4 instantaneous) | USPAT | OR | ON | 2007/10/27 09:52 |
| L9 | 209 | ((("glow plug") same preheat\$3) and (rapid\$3 fast quick\$4 instantaneous) | USPAT | OR | ON | 2007/10/27 09:51 |
| L8 | 307 | ((("glow plug") same preheat\$3) | USPAT | OR | ON | 2007/10/27 09:51 |
| L7 | 36 | ((ceramic and ignition) and seconds) and "widely" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:50 |
| L6 | 8 | ((ceramic and ignition) and seconds) and "widely used" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:37 |
| L5 | 3 | ((ceramic and ignition) and seconds) and "widely known" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:35 |
| L4 | 30 | ((ceramic and ignition) and seconds) and "widely known" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:25 |

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| L3 | 15 | ((ceramic same ignition) same seconds) and "known" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:24 |
| L2 | 0 | ((ceramic same ignition) same seconds) and "widely known" and "electric resistance" | USPAT | OR | ON | 2007/10/27 09:07 |
| L1 | 0 | (("glow plug" same ignition) same seconds) and "widely known" | USPAT | OR | ON | 2007/10/27 09:07 |
| S15 1 | 17 | (ignition same seconds) and (sinter\$4 same ceramic) | USOCR | OR | OFF | 2007/10/26 20:12 |
| S15 0 | 13 | (ignition same seconds) and (sintered same ceramic) | USOCR | OR | OFF | 2007/10/26 20:11 |
| S14 9 | 52 | (ignition same seconds) and (sintered same ceramic) | USPAT | OR | OFF | 2007/10/26 20:05 |
| S14 8 | 386 | ignition and seconds and sintered and ceramic | USPAT | OR | OFF | 2007/10/26 19:43 |
| S14 7 | 0 | ignition and seconds and sintered and ceramic | EPO; JPO; DERWENT | OR | OFF | 2007/10/26 19:43 |
| S14 6 | 0 | ("glow plug" same ignition) same seconds and sintered and ceramic | EPO; JPO; DERWENT | OR | OFF | 2007/10/26 19:42 |
| S14 5 | 2 | ("glow plug" same ignition) same seconds and sintered and ceramic | USPAT | OR | OFF | 2007/10/26 19:42 |
| S14 4 | 9 | ("glow plug" same ignition) same seconds and sintered and ceramic | USPAT | OR | ON | 2007/10/26 19:37 |
| S14 3 | 243874 | ("glow plug" same ignition) same seconds and sintered snfd ceramic | USPAT | OR | ON | 2007/10/26 19:36 |
| S14 2 | 14 | ("glow plug" same ignition) same seconds and sintered | USPAT | OR | ON | 2007/10/26 19:36 |
| S14 1 | 159 | ("glow plug" same ignition) same seconds | USPAT | OR | ON | 2007/10/26 19:36 |
| S14 0 | 1329 | "glow plug" and ignition and seconds | USPAT | OR | ON | 2007/10/26 19:35 |
| S13 9 | 3 | ("less than" same seconds) | USPAT | OR | ON | 2007/10/26 19:35 |
| S13 8 | 0 | ("less than" adj seconds) | USPAT | OR | ON | 2007/10/26 19:35 |
| S13 7 | 1 | ("less than" adj3 seconds) | USPAT | OR | ON | 2007/10/26 19:35 |
| S13 6 | 21 | ("4418661").URPN. | USPAT | OR | ON | 2007/10/26 19:34 |

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| S13 5 | 285 | ignition and ("sintered ceramic") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 19:19 |
| S13 4 | 2 | ignition and ("sintered ceramic" same "electric resistance") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 19:19 |
| S13 3 | 27 | "sintered ceramic" same "electric resistance" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 19:19 |
| S13 2 | 4 | ((("5660043") or ("5899684"))).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 19:15 |
| S13 1 | 2 | ("5660043").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 18:27 |
| S13 0 | 0 | "5660043".pn. and ceramic | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 18:19 |
| S12 9 | 0 | "5660043.pn." and ceramic | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 18:19 |
| S12 8 | 0 | "5660043" and ceramic | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 18:19 |

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| S12 7 | 2 | ("5660043").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 18:18 |
| S12 6 | 67 | (431/1,2,114,350,354,355.CCLS. 181/229.ccls. 126/512,39R,41R.ccls.) and @pd>="20070601" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 18:18 |
| S12 5 | 2 | ("7252052").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/26 17:32 |
| S12 4 | 1 | "combustion chamber" and "gas burner" and "air intake" and "primary" and mix\$5 and outside and (oscillation\$9 damp\$5) and "main air inlet" and Helmholtz and "exterior wall" and perforations and "additional air" | US-PGPUB | OR | ON | 2007/10/26 17:27 |
| S12 3 | 1 | "combustion chamber" and "gas burner" and "air intake" and "primary" and mix\$5 and outside and (oscillation\$9 damp\$5) and "main air inlet" and Helmholtz and "exterior wall" and perforations and "additional air" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 13:55 |
| S12 2 | 4798 | "combustion chamber" and "gas burner" (S99) and "air intake" and "primary" and mix\$5 and outside and (oscillation\$9 damp\$5) and "main air inlet" and Helmholtz and "exterior wall" and perforations and "additional air" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/26 13:55 |
| S12 1 | 6 | "122"/\$.ccls. and helmholtz | USPAT | OR | ON | 2007/10/26 13:27 |
| S12 0 | 1 | "122"/\$.ccls. and helmholtz | USOCR | OR | ON | 2007/10/26 13:27 |
| S11 9 | 15 | 431/354.ccls. and noise | USOCR | OR | ON | 2007/10/26 13:26 |
| S11 8 | 2 | 431/355.ccls. and noise | USOCR | OR | ON | 2007/10/26 13:24 |

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| S11 7 | 1 | 431/355.ccls. and noise | US-PGPUB; USPAT | OR | ON | 2007/10/26 13:23 |
| S11 6 | 243 | 431/355.ccls. | US-PGPUB; USPAT | OR | ON | 2007/10/26 13:23 |
| S11 5 | 261 | 431/114.ccls. | US-PGPUB; USPAT | OR | ON | 2007/10/26 13:22 |
| S11 4 | 102 | 431/114.ccls. | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:22 |
| S11 3 | 1 | helmholtz and f24c\$8 | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:14 |
| S11 2 | 12 | helmholtz and f23d\$8 | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:13 |
| S11 1 | 29 | helmholtz and burner | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:12 |
| S11 0 | 369 | helmholtz and air | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:12 |
| S10 6 | 1652 | helmholtz | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:11 |
| S10 9 | 41 | helmholtz and 60/725.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:07 |
| S10 8 | 0 | helmholtz and 60/725.ccls. | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:07 |
| S10 7 | 110 | helmholtz and inlet | EPO; JPO; DERWENT | OR | ON | 2007/10/26 13:06 |
| S10 5 | 14 | helmholtz and "181"/214.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:47 |
| S10 4 | 27 | helmholtz and "181"/229.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:46 |
| S10 3 | 5 | helmholtz and "181"/247.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:43 |
| S10 2 | 13 | helmholtz and "181"/284.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:41 |

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| S98 | 196 | helmholtz and "181"/\$.ccls. and combustion | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:40 |
| S10 1 | 15 | ("2807931" "3113634" "3159238" "4199936" "4449607" "4944362" "5373695" "5590849" "5644918" "5685157" "5975238" "6837050"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/26 12:35 |
| S10 0 | 0 | ("2003/0183446").URPN. | USPAT | OR | ON | 2007/10/26 12:29 |
| S99 | 0 | ("2003/0183446").URPN. | USPAT | OR | ON | 2007/10/26 12:29 |
| S97 | 10 | helmholtz and "181"/\$.ccls. and burner | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:15 |
| S96 | 273 | helmholtz and "181"/\$.ccls. and inlet | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:12 |
| S95 | 612 | helmholtz and "181"/\$.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/26 12:12 |
| S94 | 10 | ("3848697" "4199936" "5660044" "5765376" "5784876" "5941076" "6351947" "6609376" "6640544" "6732527").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/25 14:11 |
| S93 | 6 | ("6351947").URPN. | USPAT | OR | ON | 2007/10/25 14:10 |
| S92 | 10 | ("2654219" "3848694" "4109459" "4833881" "5373695" "5431018" "5644918" "5765376" "5941076"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/25 14:09 |
| S91 | 117 | helmholtz same perforations | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/25 14:02 |
| S90 | 6167 | helmholtz | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/10/25 14:02 |
| S89 | 46 | (431/8-10.ccls. 431/180-188.ccls.) and (vane blade) | EPO; JPO | OR | ON | 2007/10/24 17:14 |

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| S88 | 688 | 431/8-10.ccls. 431/180-188.ccls. | EPO; JPO | OR | ON | 2007/10/24 17:12 |
| S87 | 9 | 431/8-10.ccls. and 431/180-188.ccls. | EPO; JPO | OR | ON | 2007/10/24 17:12 |
| S86 | 0 | 431/8-10.ccls. and 431/180-188.ccls. and yeung.xp. | EPO; JPO | OR | ON | 2007/10/24 17:11 |
| S79 | 29 | 431/8-10.ccls. and 431/180-188.ccls. and yeung.xp. | USPAT | OR | ON | 2007/10/24 17:11 |
| S85 | 5 | ("5518395").URPN. | USPAT | OR | ON | 2007/10/24 16:55 |
| S84 | 5 | ("5518395").URPN. | USPAT | OR | ON | 2007/10/24 16:51 |
| S83 | 0 | ("6095791").URPN. | USPAT | OR | ON | 2007/10/24 16:48 |
| S82 | 0 | ("6095791").URPN. | USPAT | OR | ON | 2007/10/24 16:48 |
| S81 | 9 | ("1918326" "2143958" "4261511" "4383820" "4897089" "4967561" "5487659").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 16:47 |
| S80 | 9 | ("1918326" "2143958" "4261511" "4383820" "4897089" "4967561" "5487659").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 16:47 |
| S78 | 320 | 431/8-10.ccls. and 431/180-188.ccls. | USPAT | OR | ON | 2007/10/24 16:45 |
| S77 | 13 | ("3720497").URPN. | USPAT | OR | ON | 2007/10/24 16:45 |
| S76 | 6 | ("3265113" "3414362" "3485566").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/24 14:21 |
| S75 | 2 | ("20030111023").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/10/24 12:52 |
| S74 | 89 | venturi and noise | EPO; JPO | OR | ON | 2007/10/24 12:52 |
| S73 | 1 | venturi and noise and cavity | EPO; JPO | OR | ON | 2007/10/24 12:37 |
| S72 | 870 | venturi and noise and cavity | US-PGPUB; USPAT | OR | ON | 2007/10/24 12:35 |
| S71 | 870 | venturi and noise and cavity | US-PGPUB; USPAT | OR | ON | 2007/10/24 11:45 |
| S70 | 26 | ("1257600" "1809684" "2199771" "2531139" "2869670" "2897885" "20030183446" "20040157179" "20050175951" "20050229581" "3720497" "3773075" "3819319" "3940234" "4168948" "4475621" "4747391" "4829978" "4953510" "4983510" "5408986" "5875739" "6106276" "6148954" "6491514" "6491514" "6945196").PN. | US-PGPUB; USPAT | OR | ON | 2007/10/24 11:44 |

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| S1 | 330 | "helmholtz resonator" and intake | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/24 11:21 |
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